# NONPROVISIONAL PATENT
# APPLICATION TRANSMITTAL RULE §1.53(b)
# IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

15915 U.S.PTO 100703

17497 U.S.PTO 10/679283 100703

Customer No. 004372
ARENT FOX KINTNER PLOTKIN & KAHN, PLLC
1050 Connecticut Avenue, N.W.,
Suite 400
Washington, DC 20036-5339
Telephone: (202) 857-6000
Facsimile: (202) 638-4810

Docket No. 106145-00068

Date: October 7, 2003

Commissioner for Patents
Washington, D.C. 20231

Sir:

Transmitted herewith for filing under 37 C.F.R. §1.53(b) is a nonprovisional patent application:

For (Title): THROUGH WELD FOR ALUMINUM OR ALUMINUM ALLOY BASE METALS BY USING HIGH-DENSITY ENERGY BEAMS

By (Inventors): Takanori YAHABA (Saitama, Japan), Masato TAKIKAWA (Saitama, Japan), Hirobumi SONODA (Chiba, Japan), Junichi IBUKURO (Chiba, Japan), Kenji OKUYAMA (Chiba, Japan), Toshiyasu UKENA (Tokyo, Japan) and Yasutomo ICHIYAMA (Tokyo, Japan)

☒ 17 pages of Specification/Claims 1-6/Abstract are attached.
☒ Formal drawings (Fig(s). 1A, 1B, 2A, 2B, 3-7 and 8A-8C; 8 sheet(s)) is/are attached.
☒ A Declaration and Power of Attorney is attached.
☒ An assignment of the invention to Honda Giken Kogyo Kabushiki Kaisha, Tokyo, Japan is attached, along with Form PTO-1595 and a check for $40.00.
☒ An Information Disclosure Statement is attached, along with Form PTO-1449, and 1 reference(s).
☒ Priority of foreign application No. 2002-317183 filed October 31, 2002 in Japan is claimed under 35 U.S.C. §119.
☒ A certified copy of the above corresponding foreign application is attached.

The filing fee is calculated below and includes claim status after entry of any Preliminary Amendment noted above:

| | | | SMALL ENTITY | | | LARGE ENTITY | |
|---|---|---|---|---|---|---|---|
| FOR: | NO. FILED | NO. EXTRA | RATE | FEE | OR | RATE | FEE |
| BASIC FEE | | | | $ 385 | OR | | $ 770 |
| TOTAL CLAIMS | 6 - 20 | = 0 | x 9 = | $ | OR | x 18 | $ 0 |
| INDEP CLAIMS | 1 - 3 | = 0 | x 43 = | $ | OR | x 86 | $ 0 |
| ☐ MULTIPLE DEPENDENT CLAIMS | | | +145 = | $ | OR | +290 | $ 0 |
| | | | TOTAL | $ | OR | TOTAL | $ 770 |

☒ Check #367008 in the amount of $810 ($770 for the filing fee and $40 for the Assignment Recordation Fee) is attached. Please charge any fee deficiency or credit any overpayment to Deposit Account No. 01-2300.

Respectfully submitted,

Charles M. Marmelstein
Registration No. 25,895

CMM/rkc